

Patents Recently Issued to IBM Inventors

April and May 1967

April, 1967

3,312,174	Variable Cycle Control System for a High Speed Printer	<i>J. M. Cunningham</i>
3,312,238	Monostable Fluid Logic Element and Actuator	<i>W. F. Voit, Jr.</i>
3,312,244	Bistable Fluid Logic Element.	<i>W. F. Voit, Jr.</i>
3,312,325	Chip Orientor	<i>G. C. Beck, J. J. Godat, A. H. Larsen and T. J. Rajac</i>
3,312,519	Wide Range High Speed Adjustable Focusing of High Frequency Electromagnetic Radiation	<i>E. Max</i>
3,312,673	Ethylenically Unsaturated Carbazole Polymeric Materials and Methods of Making the Same	<i>W. A. Hewett</i>
3,312,871	Interconnection Arrangement for Integrated Circuits	<i>H. Seki and D. P. Seraphim</i>
3,312,878	High Speed Packaging of Miniaturized Circuit Modules	<i>L. J. Poch, R. A. Rinne, W. K. Springfield, B. E. Stevens and W. G. Sweeney</i>
3,312,881	Transistor with Limited Area Base-Collector Junction	<i>H. N. Yu</i>
3,312,894	System for Measuring a Characteristic of an Electrical Pulse	<i>J. A. Blake and J. C. Boyd</i>
3,312,906	Multivalley Semiconductor Amplifier for Hypersonic Waves	<i>M. Pomerantz</i>
3,312,915	Coupled Helical Wave Structure Employing a Remanently Magnetized Ferrite	<i>I. G. Akmenkalns and P. A. Lord</i>
3,312,946	Processor for Coded Data	<i>J. L. Craft and W. B. Strohm]</i>
3,312,948	Record Format Control Circuit	<i>A. J. Capozzi</i>
3,312,957	Simplified Access Optical Memory	<i>H. Fleisher, T. J. Harris and E. Shapiro</i>
3,312,962	Apparatus for Magnetically Recording Data at a Random Location.	<i>H. K. St. Clair</i>
3,313,387	Rebound Limiting Device for Typewriter	<i>E. J. Lenney</i>
3,313,389	Constant Torque Drive Means for Typewriter	<i>W. O. Cralle, Jr.</i>
3,313,395	Clamp Assembly	<i>F. L. De Turris and J. J. Godat</i>
3,313,663	Intermetallic Semiconductor Body and Method of Diffusing an N-Type Impurity Thereinto	<i>T. H. Yeh and R. M. De Fries</i>
3,313,914	Monitored Evaporant Source	<i>G. C. Roberts and G. G. Via</i>
3,314,013	Variable Delay Pulse Generating Apparatus	<i>J. Dirac and D. Royse</i>
3,314,052	Light Modulation System	<i>A. W. Lohmann</i>
3,314,067	Re-Directive Antenna Array and Related Communications Systems	<i>E. M. Rutz</i>
3,314,131	Wire Threading Method and Apparatus	<i>R. L. Judge</i>
3,314,296	Indexing Drive Mechanism	<i>K. Clark and T. J. Rajac</i>
3,314,603	Fluid Encoder and Actuator	<i>J. E. Jones and J. A. Machmer</i>
3,314,729	Pneumatic Belt Device Utilizing Back-Pulsing or Forward-Pulsing	<i>H. K. Baumeister, A. W. Orlando and W. B. Phillips</i>
3,314,869	Method of Manufacturing Multilayer Microcircuitry Including Electropolishing to Smooth Film Conductors.	<i>W. J. Dobbin, A. E. Lessor, Jr. and F. S. Maddocks</i>
3,315,088	Read Out of Phase Coded Data	<i>L. E. West</i>
3,315,145	Inverter with Improved Commutation Operation	<i>E. A. Menard</i>
3,315,229	Blood Cell Recognizer	<i>E. T. Smithline</i>
3,315,233	Self-Addressing and Self-Assigning Memory System	<i>R. Decampo and J. J. Fildes</i>
3,315,235	Data Processing System	<i>R. J. Carnevale, A. F. Collins, J. E. Greene, W. P. Hanf, A. A. Magdall, C. B. Perkins, Jr., J. W. Rood and A. E. Villante</i>
3,315,242	Modulation and Transfer of Information Achieved by Speed Differential.	<i>J. A. Haddad</i>
3,315,840	Automatic Disk Stacking Device	<i>A. W. Tollkuhn</i>
3,316,088	Process of Electrophotography Based on Electrophotolytic Reactions and Element Therefor	<i>R. M. Schaffert</i>
3,316,536	Single Channel Character Sensing Apparatus	<i>D. R. Andrews and D. L. Noble</i>

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3,317,019	Keyboard Overlay to Change Indicia Indicated by Key Cap	<i>R. F. Braune</i>
3,317,266	Electrochromic Light Valve	<i>W. R. Heller, J. Kumamoto, J. J. Luzzi and J. C. Powers, Jr.</i>
3,317,332	Comminution of Glass	<i>W. A. Pliskin</i>
3,317,410	Agitation System for Electrodeposition of Magnetic Alloys	<i>I. M. Croll and R. G. Stevens</i>

3,317,733	Radiation Scanner Employing Rectifying Devices and Photoconductors . .	<i>J. W. Horton and R. J. Lynch</i>
3,317,754	Maximum Amplitude Pulse Selector	<i>D. J. Comer and H. A. Ferrier</i>
3,317,798	Cooling Electrical Apparatus	<i>R. C. Chu, P. J. Cunavelis, J. J. Gerstenhaber and J. H. Seely</i>
3,317,848	Non-Reciprocal Light Amplifier	<i>R. W. Keyes</i>
3,317,898	Memory System	<i>H. Hellerman</i>
3,317,899	Information Processing System Utilizing a Key to Address Transformation Circuit	<i>R. T. Chien and C. V. Freiman</i>
3,317,900	Adaptive Logic System	<i>G. L. Clapper</i>
3,317,901	Adaptive Logic System with Inputs Applied Randomly Only During Conditioning Cycles.	<i>G. L. Clapper</i>
3,317,902	Address Selection Control Apparatus	<i>L. A. Michael</i>
3,318,329	Fluid-Operated Logic Devices	<i>R. E. Norwood</i>
3,318,429	Wire Harness Structure for Matrix Printing Apparatus	<i>R. C. Burns, T. Hasegawa and V. R. Simpson</i>
3,319,230	Data Processing Machine Including Program Interrupt Feature	<i>M. M. Astrahan, B. Housman, H. L. Kurkjian and B. L. Sarahan</i>
3,319,311	Semiconductor Devices and Their Fabrication	<i>W. E. Mutter</i>
3,319,317	Method of Making a Multilayered Laminated Circuit Board	<i>K. J. Roche and P. H. Palmateer</i>
3,320,600	Tape Velocity Change Detection Circuit	<i>L. L. Headrick and E. W. Miller</i>
3,320,658	Method of Making Electrical Connectors and Connections.	<i>F. J. Bolda, J. T. Gulliksen and H. K. Hazel</i>
3,321,121	Feeding Apparatus for Multi-Width Tapes	<i>M. E. Nyberg and D. D. Towne</i>
3,321,328	Coating of Aluminum Substrates with a Magnetic Material	<i>H. Koretzky</i>
3,322,253	Vibration Control Apparatus for a Matrix Printer	<i>R. C. Burns, T. Hasegawa and V. R. Simpson</i>
3,322,255	Multi Element Pneumatic Actuator	<i>J. E. Jones</i>
3,322,441	Continuous Card Forms	<i>R. N. Eichorn</i>
3,322,501	Preparation of Gallium Arsenide with Controlled Silicon Concentrations. .	<i>J. M. Woodall</i>
3,323,064	Compatible Single-Sideband Transmitter.	<i>W. R. Remley</i>
3,323,106	Traffic Intersection	<i>D. C. Gazis and R. B. Potts</i>
3,323,108	Symbolic Addressing	<i>A. P. Mullery and R. F. Schauer</i>
3,323,119	Display System for a Data Processing Unit	<i>J. G. Barcomb and E. T. Kozol</i>